Datasheet for ABIN935089

APRT Protein (AA 1-180)

1 Image

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Overview

Quantity:	100 µg
Target:	APRT
Protein Characteristics:	AA 1-180
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MADSELQLVE QRIRSFPDFP TPGVVFRDIS PVLKDPASFR AAIGLLARHL KATHGGRIDY IAGLDSRGFL FGPSLAQELG LGCVLIRKRG KLPGPTLWAS YSLEYGKAEL EIQKDALEPG QRVVVVDDLL ATGGTMNAAC ELLGRLQAEV LECVSLVELT SLKGREKLAP VPFFSLLQYE
Characteristics:	Purified recombinant Human APRT protein Expression System: E.coli
Purity:	> 90 % pure

Target Details

Target:	APRT
Alternative Name:	APRT (APRT Products)
Background:	APRT (adenine phosphoribosyltransferase) is a 180 amino acid protein that localizes to the cytoplasm and belongs to the purine/pyrimidine phosphoribosyltransferase family. Existing as

Target Details

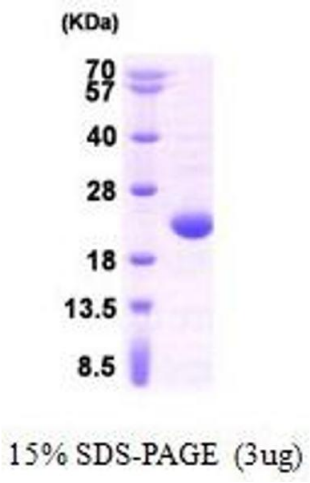
	a homodimer, APRT functions to catalyze the formation of inorganic pyrophosphate and AMP from adenine and 5-phosphoribosyl-1-pyrophosphate (PRPP), a reaction that is essential for both purine metabolism and AMP biosynthesis. It also produces adenine as a by-product of the polyamine biosynthesis pathway. Recombinant human APRT protein was expressed in E. coli and purified by using conventional chromatography techniques. Alternative Names: AMP pyrophosphorylase protein, MGC125856 protein, Adenine phosphoribosyltransferase AMP diphosphorylase protein, DKFZp686D13177 protein, MGC129961 protein, Transphosphoribosidase., AMP protein, MGC125857 protein
Molecular Weight:	19.6 kDa (180 AA)
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	APRT protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Supplied as a liquid in 20 mM Tris-HCl buffer, pH 8.0, containing 0 mM DTT and 10 % glycerol.
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	RT/-20 °C
Storage Comment:	Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or - 70 °C for long term storage.



SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.

